

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

#4/ Pre amend  
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3/5/02  
V8

In Re Application of: Chicklis, Evan

Group Art Unit: 2881

Serial No.: 09/841,727

Examiner:

Filed: 04/26/2001

Docket No.: 12679/59343

For: EYESAFE Q-SWITCHED LASER

To: Assistant Commissioner for Patents  
Washington, D.C. 20231  
Preliminary Amendment

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Dear Examiner:

**CERTIFICATE OF MAILING (37 C.F.R. 1.8a)**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:  
Assistant Commissioner for Patents, Washington, D.C. 20231

Date: \_\_\_\_\_

Name: \_\_\_\_\_

**AMENDMENT UNDER 37 C.F.R. sec. 111**

Applicant has not yet received an office action. Please amend the above-identified application as follows:

## AMENDMENT

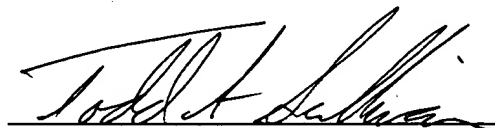
Please add the following claims to the application:

- 340 B7
18. A high-energy, eye-safe Q-switched laser comprising:  
a Resonant Pumped Erbium laser with dilute concentrations of unsensitized Erbium wherein the unsensitized Erbium concentration is below about 2%.
  19. The laser of claim 18 wherein the Resonant Pumped Erbium laser is in band to image intensifier devices.
  20. The laser of claim 18 further comprising an Erbium:Yttrium Lithium Fluoride oscillator pumped by the Erbium laser.
  21. The laser of claim 18 further comprising an energy/pulse between approximately 250 and 300mJ.
  22. The laser of claim 18 further comprising a plurality of diodes pumping approximately 30 to 60W at about 1.5 microns wavelength, for approximately 10 ms.
  23. The laser of claim 18 wherein the first excited state of Erbium is pumped at approximately 1.5 microns.

## CONCLUSION

The applicant requests the Examiner admit and consider the claims added by amendment. The fees associated with this amendment, if any are due, are included herewith.

Respectfully submitted,



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